

FEB 19 1982

Adhesive, Honeycomb Sandwich,
Aluminum

DMS QPL 1892

Type 3
NUMBER

CYANAMID

MATERIAL SAFETY DATA SHEET

482

(Approved by U.S. Department of Labor as "essentially similar" to Form LSB-005-4)

SECTION I IDENTIFICATION OF PRODUCT

MANUFACTURER'S NAME	AMERICAN CYANAMID COMPANY	EMERGENCY TELEPHONE NO.	(301) 835-3100
ADDRESS	Old Post Road, Havre de Grace, Maryland 21078		
TRADE NAME AND SYNONYMS	BR-227 PRIMER		
CHEMICAL NAME AND SYNONYMS	Solution of epoxy and vinyl resins in ethylene dichloride		
CHEMICAL FAMILY	Not applicable	MOLECULAR FORMULA	Not applicable

SECTION II HAZARDOUS COMPONENTS OF MIXTURES

COMPONENT	%	THRESHOLD LIMIT VALUE (UNITS)	COMPONENT	%	THRESHOLD LIMIT VALUE (UNITS)
Ethylene dichloride	80	50 parts per million			

SECTION III PHYSICAL DATA

APPEARANCE AND ODOR	Green liquid; odor of chloroform		
BOILING POINT (DEGREES FAHRENHEIT)	Not available	SPECIFIC GRAVITY (WATER = 1)	1.2
VAPOR PRESSURE (MM. OF MERCURY)	77 at 70 F	PERCENT VOLATILE (BY VOLUME)	80 (by weight)
VAPOR DENSITY (AIR = 1)	3.4	EVAPORATION RATE (BUTYL ACETATE = 1)	Not available
SOLUBILITY IN WATER	Moderate	EVAPORATION RATE (ETHYL ETHER = 1)	Not available

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (SPECIFY METHOD) (DEGREES FAHRENHEIT)	58 Tag Closed Cup	FLAMMABLE LIMITS (PERCENT BY VOLUME)	LOWER 6.2	UPPER 16.0
FIRE-EXTINGUISHING MEDIA	Dry chemical, carbon dioxide or foam; water spray may be ineffective.			
SPECIAL FIRE-FIGHTING PROCEDURES	Use water to keep fire-exposed containers cool.			
UNUSUAL FIRE AND EXPLOSION HAZARDS	Burning produces hydrochloric acid gas. Wear self-contained breathing apparatus.			

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NA 574201 REV. 8-71 (8-71)

BOE-C6-0189102

SECTION V HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	Not applicable
EFFECTS OF OVEREXPOSURE Prolonged or repeated breathing of vapor may cause dizziness which clears promptly in fresh air. An hour or more later there may be nausea, vomiting, cramps and diarrhea.	
EMERGENCY AND FIRST AID PROCEDURES If symptoms occur from inhalation, proceed to fresh air. Flush skin and eye contact promptly with plenty of water.	

SECTION VI REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	None
INCOMPATIBILITY (Materials to avoid) No specific incompatibility			
HAZARDOUS DECOMPOSITION PRODUCTS Thermal decomposition may produce carbon monoxide, carbon dioxide and/or hydrogen chloride.			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Remove sources of ignition and wear respiratory protection. Cover with some inert absorbent material; sweep up and place in a waste disposal container. Flush area with water.	
WASTE DISPOSAL METHOD Incinerate or bury in a landfill	

SECTION VIII SPECIAL PROTECTION INFORMATION			
RESPIRATORY PROTECTION (Specify type) If concentration exceeds TLV, wear a respirator approved by the U. S. Bureau of Mines for organic vapors			
VENTILATION	LOCAL EXHAUST	Preferable	SPECIAL
	MECHANICAL (General)	Acceptable	OTHER
			None
PROTECTIVE GLOVES		Rubber or plastic	EYE PROTECTION
			Splashproof goggles
OTHER PROTECTIVE EQUIPMENT Eyewash fountain			

SECTION IX SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Precautions for a Class IB flammable liquid	
OTHER PRECAUTIONS None	

SECTION X DATE AND SOURCE OF INFORMATION		
DATE June 27, 1972	NAME AND TITLE C. Boyd Shaffer, Ph.D. Director of Toxicology	SHEET NUMBER 482